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**CLAIMS**

1. A method of adjusting an IMD, comprising:  
implanting a lead;  
determining the effectiveness of selected parameters for a sense amplifier located within the IMD; and  
adjusting the selected parameters.
2. The method of claim 1 wherein determining the effectiveness includes performing a Fast Fourier Transform of selected data received within the IMD so that the sense amplifier can be adjusted to only include desired events within a given frequency and gain range.
3. The method of claim 1 wherein determining the effectiveness includes the use of a wavelet or morphology recognition algorithm on the selected data received within the IMD so that the sense amplifier can be adjusted to only include desired events within a given frequency and gain range.
3. An IMD comprising:  
a housing;  
a lead coupled with the housing and placed in a tissue; and  
a sense amplifier disposed within the housing and configured to process signals obtained from the lead, wherein a bandpass range of the sense amplifier is adjustable.
4. A method of adjusting an IMD parameter responsive to changing environment of a lead placed in a tissue, comprising;  
placing the lead in the tissue;  
monitoring variability of a selected set of parameters; and  
adjusting the parameters to account for changes in the environment of the lead.

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5. The method of claim 4 wherein said environment includes the growth of fibrosis on the lead.